

CURRENT LISTING OF CLAIMS

Claims 1 to 30. Cancelled.

¹/₃₁. (Currently amended) A method of diagnosing Crohn's disease in a individual, comprising:

[(a) obtaining a sample from said individual;

(b) contacting said sample with] (a) contacting a sample from said individual with pbrA, or an immunoreactive fragment thereof, under conditions suitable to form a complex of pbrA, or said immunoreactive fragment thereof, and antibody to pbrA;
and

[(c)] (b) detecting the presence or absence of said complex,

wherein the presence of said complex indicates that said individual has Crohn's disease,

said pbrA having greater than 70% amino acid sequence identity with SEQ ID NO: 2 or SEQ ID NO: 3 and wherein said pbrA is purified, partially purified or present in a whole or fractionated *Pseudomonas* cellular extract.

²/₃₂. (Original) The method of claim ¹/₃₁, wherein the presence or absence of said complex is detected with a detectable secondary antibody.

Claims 33 to 36. Cancelled.

³/₃₇. (New) The method of claim ¹/₃₁, wherein said pbrA or an immunoreactive fragment thereof is purified.

⁴/₃₈. (New) The method of claim ¹/₃₁ or ³/₃₇, wherein said pbrA has greater amino acid sequence similarity to SEQ ID NO: 2 or SEQ ID NO: 3 than to the *P. aeruginosa* protein pvds (SEQ ID NO: 7).

⁵/₃₉. (New) The method of claim ¹/₃₁ or ³/₃₇, wherein said pbrA has the amino acid sequence of SEQ ID NO: 2 or an immunoreactive fragment thereof.

^{40.}
~~40.~~ (New) The method of claim ^{5.}~~39~~, wherein said pbrA has the amino acid sequence of
SEQ ID NO: 2.

^{7.}
~~41.~~ (New) The method of claim ¹~~31~~ or ^{3.}~~37~~, wherein said pbrA has the amino acid
sequence of SEQ ID NO: 3 or an immunoreactive fragment thereof.

^{8.}
~~42.~~ (New) The method of claim ⁷~~41~~, wherein said pbrA has the amino acid sequence of
SEQ ID NO: 3.